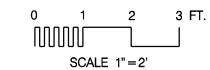
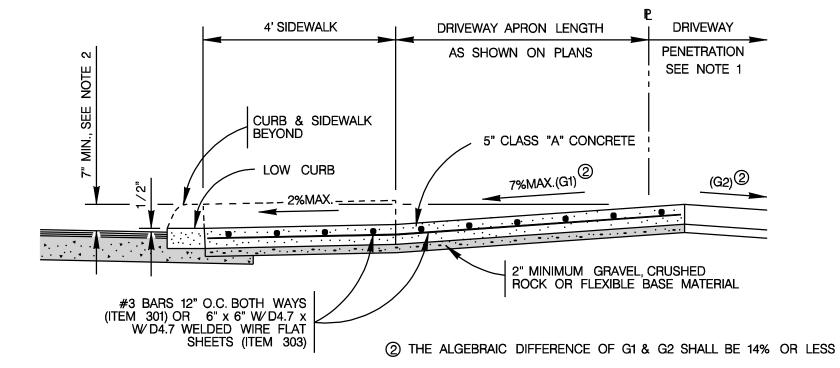


TYPICAL RESIDENTIAL DRIVEWAY SECTION

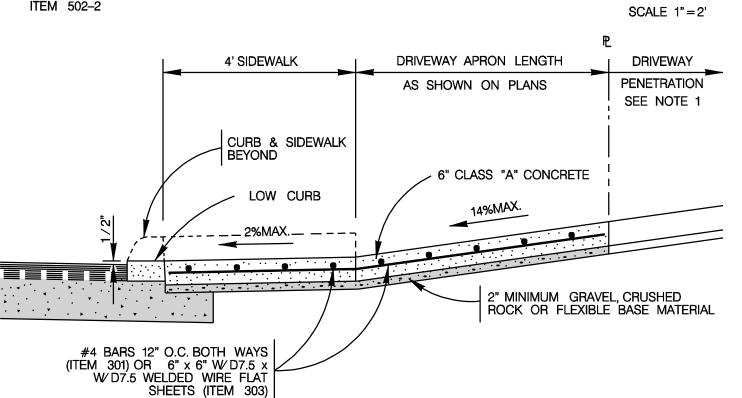
WITH SIDEWALK ABUTTING CURB





TYPICAL RESIDENTIAL DRIVEWAY SECTION 0 1 2 3 FT.

WHERE PROPERTY IS LOWER THAN STREET & SIDEWAK IS ABUTTING CURB ITEM 502-2



TYPICAL COMMERCIAL DRIVEWAY SECTION 0 1 2

WITH SIDEWALK ABUTTING CURB

PENETRATION ON PRIVATE PROPERTY.

CONCRETE DRIVEWAY NOTES

1. DRIVEWAY PENETRATION REFERS TO A PORTION OF THE DRIVEWAY THAT MAY BE NECESSARY TO RECONSTRUCT WITHIN PRIVATE PROPERTY TO COMPLY WITH A MAXIMUM DRIVEWAY SLOPE. THIS PORTION OF THE DRIVEWAY SHALL BE PAID FOR UNDER THE FOLLOWING ITEMS AS MAY APPLY:

A.) CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 502-2

SCALE 1"=2'

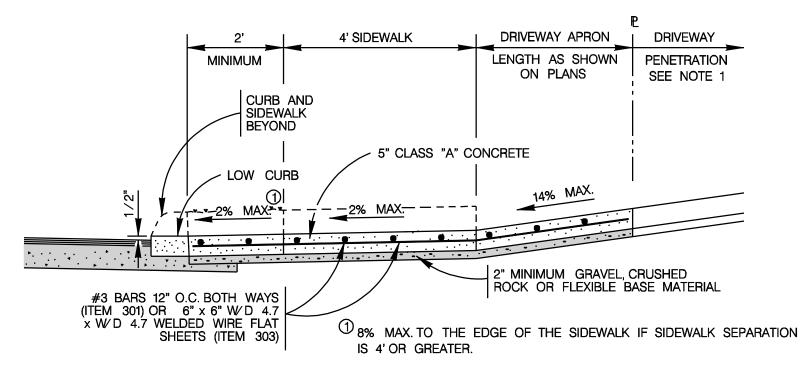
- B.) ASPHALTIC CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 502-2

 B.) ASPHALTIC CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 503-1 1" ASPHALT TYPE 'D' & 6" FLEXIBLE BASE
- C.) GRAVEL DRIVEWAY PAID FOR UNDER ITEM NO. 503-2 AND SHALL INCLUDE A MINIMUM OF 6" FLEXIBLE BASE

 2. 7" MINIMUM HEIGHT WILL NOT NECESSARILY OCCUR AT THE PROPERTY LINE. IT MAY OCCUR WITHIN THE RIGHT OF WAY OR WITHIN THE DRIVEWAY
- 3. THE PROPOSED DRIVEWAY SHOULD MATCH THE EXISTING WIDTH AT THE PROPERTY LINE BUT UNLESS AUTHORIZED BY THE CITY TRAFFIC ENGINEER, THE WIDTH SHALL BE WITHIN THE FOLLOWING VALUES:

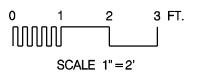
| TYPE | MINIMUM | MAXIMU |
|----------------------|---------|--------|
| RESIDENTIAL | 10' | 20' |
| COMMERCIAL - ONE WAY | 12' | 20' |
| COMMERCIAL - TWO WAY | 24' | 30' |

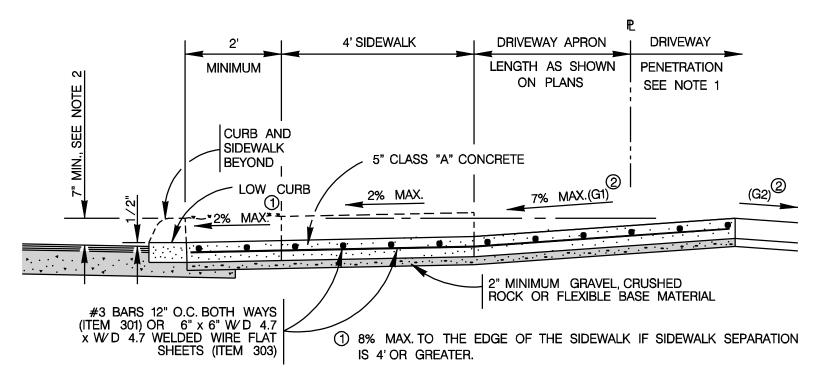
- 4. FOR LOCAL TYPE "A" STREETS, SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4' AND IF SEPARATED FROM THE CURB, THE SIDEWALK SHALL BE LOCATED A MINIMUM OF 2' FROM THE BACK OF CURB.
- 5. FOR OTHER THAN LOCAL TYPE "A" STREETS, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4'AND SEPARATED A MINIMUM OF 2' FROM THE BACK OF CURB OR, AS AN OPTION, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 6' WHEN LOCATED AT THE BACK OF CURB.
- 6. DUMMY JOINTS PARALLEL TO THE CURB SHALL BE PLACED WHERE THE SIDEWALK MEETS THE DRIVEWAY. DUMMY JOINTS PERPENDICULAR TO THE CURB, AND WITHIN THE BOUNDARIES OF THE PARALLEL DUMMY JOINTS, SHALL BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
- 7. A MINIMUM OF TWO ROUND AND SMOOTH DOWEL BARS 3 /8" IN DIAMETER AND 18" IN LENGTH SHALL BE SPACED 18" APART AT EACH EXPANSION JOINT.
- 8. SIDEWALK RAMP LENGTHS SHALL BE OF SUFFICIENT LENGTH TO MAINTAIN 8.33% (1:12) MAXIMUM SLOPE. WHERE SIDEWALKS CROSS DRIVEWAYS, SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- 9. SIDEWALK RAMP SURFACE SHALL BE BRUSH FINISHED.



TYPICAL RESIDENTIAL DRIVEWAY SECTION WITH SIDEWALK SEPARATED FROM CURB

WITH SIDEWALK SEPARATED FROM CURB





② THE ALGEBRAIC DIFFERENCE OF G1 & G2 SHALL BE 14% OR LESS

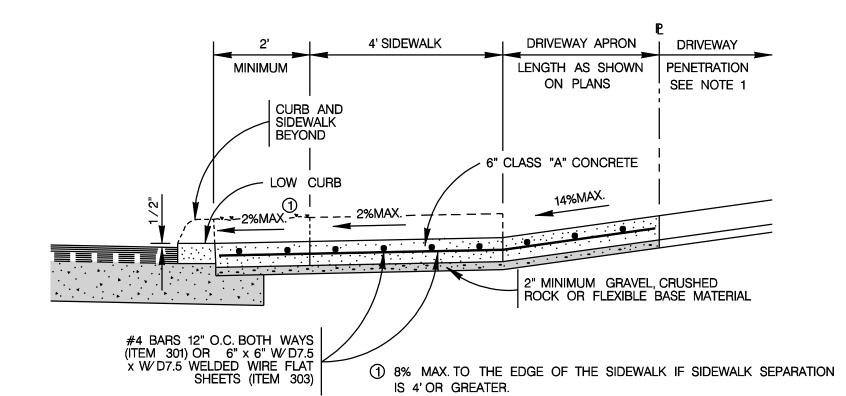
TYPICAL RESIDENTIAL DRIVEWAY SECTION

WHERE PROPERTY IS LOWER THAN STREET & SIDEWALK IS SEPARATED FROM CURB

ITEM 502-2

O 1 2 3 FT.

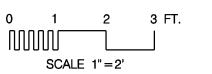
SCALE 1"=2'

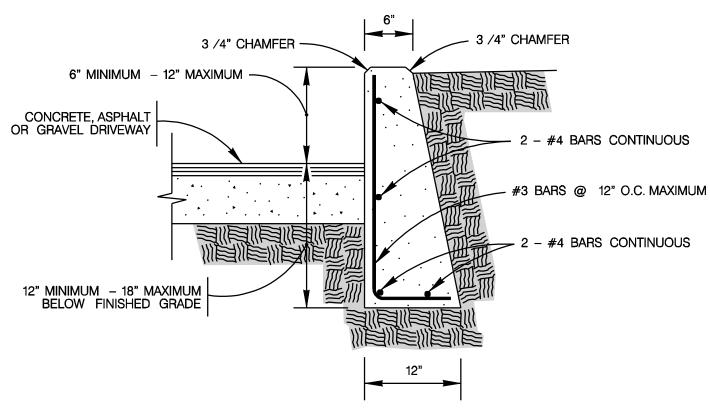


TYPICAL COMMERCIAL DRIVEWAY SECTION

ITEM 300.1

WITH SIDEWALK SEPARATED FROM CURB ITEM 502-3

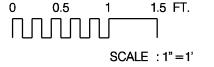




NOTE: COST OF REINFORCEMENT TO BE INCLUDED IN UNIT COST OF CONCRETE.

DRIVEWAY - CONCRETE RETAINING WALL ON COMPACTED SUBGRADE

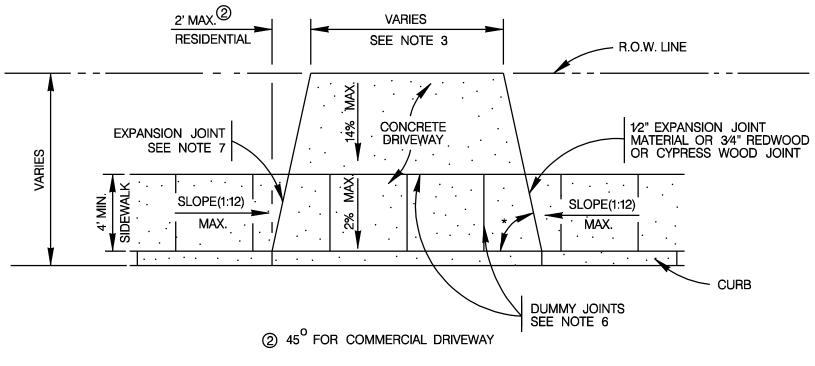
BGRADE



SLOPE (1:12) MAXIMUM 3 SEE NOTE 3 WARIES VARIES VARIES SLOPE (1:12) MAXIMUM 1' RAD.

② RESIDENTIAL: 2' MAXIMUM; COMMERCIAL: SEE PLAN VIEW

CURB PROFILE AT DRIVEWAY WITH SIDEWALK ABUTTING CURB O 1 2 3 O 1 2 3 SCALE 1"=2'

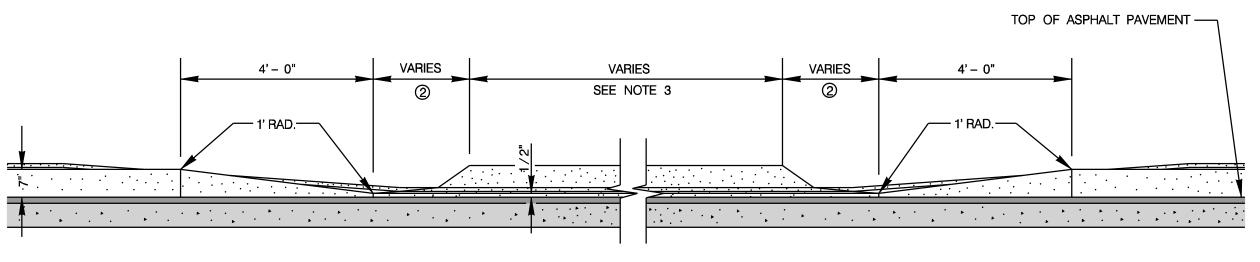


TYPICAL DRIVEWAY PLAN VIEW

WITH SIDEWALK ABUTTING CURB

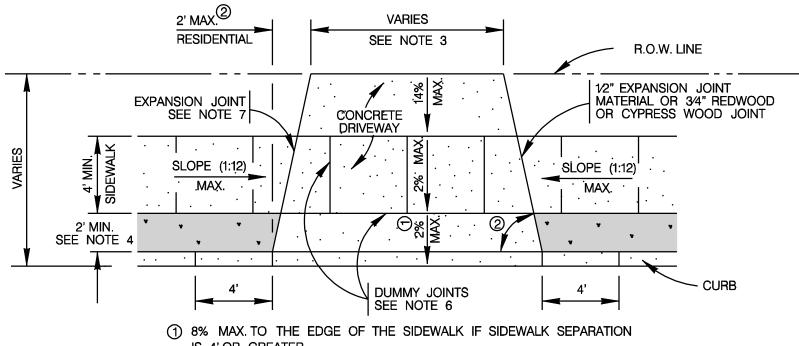
0 1 2 3 4 5 FT.

SCALE 1"=5'



② RESIDENTIAL : 2' MAXIMUM; COMMERCIAL: SEE PLAN VIEW





IS 4'OR GREATER.

② 45⁰ FOR COMMERCIAL DRIVEWAY

TYPICAL DRIVEWAY PLAN VIEW
WITH SIDEWALK SEPARATED FROM CURB

SCALE 1"=5' JANUARY 2006

CITY OF SAN ANTONIO, TEXAS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

CONCRETE DRIVEWAY STANDARDS

| DRAWN BY: | DATE | REVISIONS | SCALE: | SEE ABOVE |
|------------------------|--------|---|--------|-----------|
| V. VASQUEZ | MAR 05 | DRIVEWAY NOTES NOS. 7 & 8 | | |
| CHECKED BY: | JAN 06 | 1/2" LIP HEIGHT, DELETE GROOVED RAMP | DATE: | |
| RAZI S. HOSSEINI, P.E. | | 8% MAX. ACCESS GRADE | SHEET: | OF |